

### IN THE CLAIMS

1. (Original) An electrode comprising a metallised carbon-insulator composite.
2. (Original) An electrode as claimed in claim 1, wherein the metallised carbon-insulator composite is a ruthenium modified carbon-insulator composite.
3. (Original) An electrode as claimed in claim 1, wherein the metallised carbon-insulator composite is a platinum or rhodium modified carbon-insulator composite.
4. (Currently Amended) An electrode as claimed in ~~any one of~~ claims 1 ~~to 3~~, wherein the metallised carbon-insulator composite is a metallised carbon-epoxy composite.
5. (Currently Amended) An electrode as claimed in ~~any one of~~ claims 1 ~~to 4~~, wherein the volume fraction of the metallised carbon in the metallised carbon-insulator composite is in the range of 15 to 45%.
6. (Original) An electrode as claimed in claim 1, wherein the volume fraction of the metallised carbon in the metallised carbon-insulator composite is in the range of 15 to 45% and the metallised carbon-insulator composite is a ruthenium modified carbon-epoxy composite.
7. (Currently Amended) The use of the electrode as claimed in ~~any one of~~ claims 1 ~~to 6~~, in the detection and/or measurement of chlorine.
8. (Currently Amended) The use of the electrode as claimed in ~~any one of~~ claims 1 ~~to 6~~, in the detection and/or measurement of free available chlorine by electrolysis.

9. (Currently Amended) The use of the electrode as claimed in ~~any one of~~ claims 1 ~~to~~ 6, as a component of a fuel cell, primary or secondary cells for batteries, electrolyzers and electrochemical reactors.
10. (Currently Amended) A method for the manufacture of an electrode as claimed in ~~any one of~~ claims 1 ~~to~~ 6, which comprises the preparation of a metallised carbon-insulator composite.
11. (Original) A method as claimed in claim 10, wherein the metallised carbon-insulator composite is a ruthenium modified carbon-insulator composite.
12. (Currently Amended) A method as claimed in claim 10 ~~or claim 11~~, wherein the metallised carbon-insulator composite is a platinum or rhodium modified carbon-insulator composite.
13. (Currently Amended) A method as claimed in ~~any one of~~ claims 10 ~~to~~ 12, wherein the metallised carbon-insulator composite is a metallised carbon-epoxy composite.
14. (Currently Amended) A method as claimed in ~~any one of~~ claims 10 ~~to~~ 13, wherein the volume fraction of the metallised carbon in the metallised carbon-Insulator composite is in the range of 15 to 45%.
15. (Original) A method as claimed in claim 10, wherein the volume fraction of the metallised carbon in the metallised carbon-insulator composite is in the range of 15 to 45% and the metallised carbon-insulator composite is a ruthenium modified carbon-epoxy composite.

16. (Currently Amended) A chlorine sensor incorporating an electrode as claimed in ~~any one of~~ claims 1 to 6.
17. (Currently Amended) A free available chlorine sensor incorporating an electrode as claimed in ~~any one of~~ claims 1 to 6.
18. (Original) A chlorine sensor incorporating an electrode made from a ruthenium modified carbon-epoxy composite.
19. (Original) A free available chlorine sensor incorporating an electrode made from a ruthenium modified carbon-epoxy composite.
20. (Currently Amended) A chlorine sensor incorporating an electrode made according to the method of ~~any one of~~ claims 10 to 15.
21. (Currently Amended) A free available chlorine sensor incorporating an electrode made according to ~~the method of any one of~~ claims 10 to 15.
22. (Currently Amended) A sensor as claimed in ~~any one of~~ claims 16 to 21, wherein there are two or more electrodes arranged in parallel.